PFMEA 4ᵗʰ Edition

Background

This one-day Process Failure Mode and Effects Analysis (PFMEA) training, based on the 4th Edition methodology, provides a practical and structured approach to identifying potential process failures before they occur. Aligned with the APQP framework and broader quality systems like IATF 16949, the course helps teams anticipate, prioritise, and mitigate risks to improve reliability and performance. Participants will learn how to develop effective PFMEAs that drive proactive quality planning and process control.

Learning Objectives

By the end of this course, participants will be able to:
- Understand the role of PFMEA within the product lifecycle and its relationship to other quality tools.
- Develop process flow diagrams and use them as the foundation for PFMEA analysis.
- Apply the 7-step PFMEA method to identify failure modes, assess risk, and define controls.
- Interpret severity, occurrence, and detection ratings to prioritise and mitigate risk effectively.

Agenda

1. Introduction to FMEA and Its Importance
2. Process Mapping and Scope Definition
3. Creating Process Flow Diagrams (PFDs)
4. Identifying Failure Modes, Effects, and Causes
5. S/O/D Risk Ratings and Prioritisation
6. Mitigation Planning and PFMEA Documentation
7. PFMEA Form Completion and Review

Additional Information

- 1 Day